

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query  | DBs                     | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-------------------------|------------------|---------|------------------|
| S105  | 94   | (S99 and S100) (S100 and S101) (S99 and S101)                                 | US-PGPUB; USPAT; USOOCR | OR               | OFF     | 2010/04/07 10:21 |
| S104  | 4858 | (S99 and S100) (S100 and S101) (S99 S101)                                     | US-PGPUB; USPAT; USOOCR | OR               | OFF     | 2010/04/07 10:21 |
| S103  | 0    | S99 and S100 and S101   | US-PGPUB; USPAT; USOOCR | OR               | OFF     | 2010/04/07 10:20 |
| S102  | 5449 | S99 S100 S101   | US-PGPUB; USPAT; USOOCR | OR               | OFF     | 2010/04/07 10:20 |
| S101  | 3037 | (347/11,12,22,29).CCLS.   | US-PGPUB; USPAT; USOOCR | OR               | OFF     | 2010/04/07 10:20 |
| S100  | 685  | (239/338).CCLS.   | US-PGPUB; USPAT; USOOCR | OR               | OFF     | 2010/04/07 10:20 |
| S99   | 1821 | (128/200.16,200.14).CCLS.   | US-PGPUB; USPAT; USOOCR | OR               | OFF     | 2010/04/07 10:20 |
| S98   | 493  | fresnel same acoustic   | US-PGPUB; USPAT; USOOCR | OR               | OFF     | 2010/04/06 19:07 |
| S97   | 2096 | fresnel AND acoustic  | US-PGPUB; USPAT; USOOCR | OR               | OFF     | 2010/04/06 19:07 |
| S96   | 693  | ink contamination SAME (shutter OR cover OR door)                             | USPAT; USOOCR           | AND              | ON      | 2009/03/12 17:44 |
| S95   | 1213 | ink contamination SAME (shutter OR cover OR door)                             | US-PGPUB; USPAT; USOOCR | AND              | ON      | 2009/03/12 17:44 |
| S94   | 111  | contamination SAME cover AND inhaler  | US-PGPUB; USPAT; USOOCR | OR               | ON      | 2009/03/12 17:36 |
| S93   | 359  | contamination SAME cover AND piezo  | US-PGPUB; USPAT; USOOCR | OR               | ON      | 2009/03/12 17:35 |
| S92   | 10   | piezo AND shutter AND "128"/\$.ccls.  | US-PGPUB; USPAT; USOOCR | OR               | ON      | 2009/03/12 17:33 |
| S91   | 123  | inhaler AND shutter   | US-PGPUB; USPAT; USOOCR | OR               | ON      | 2009/03/12 17:27 |
| S90   | 1    | shutter ADJ door and "128"/\$.ccls.   | US-PGPUB; USPAT; USOOCR | OR               | ON      | 2009/03/12 17:26 |
| S89   | 38   | shutter ADJ door AND (inhaler OR printer)                                     | US-PGPUB; USPAT; USOOCR | OR               | ON      | 2009/03/12 17:24 |
| S88   | 746  | shutter ADJ door  | US-PGPUB; USPAT; USOOCR | OR               | ON      | 2009/03/12 17:23 |
| S87   | 52   | shuttle ADJ door  | US-PGPUB; USPAT; USOOCR | OR               | ON      | 2009/03/12 17:23 |
| S86   | 2950 | MEMS SAME (membrane lens plate) SAME cover SAME (liquid ink medic\$ pharma\$) | USPAT; USOOCR           | OR               | ON      | 2009/03/12 16:54 |
| S83   | 83   | "128"/\$.CCLS. and S81  | US-PGPUB; USPAT; USOOCR | OR               | ON      | 2009/03/12 16:51 |

|     |       |  |                         |    |    |                  |
|-----|-------|--|-------------------------|----|----|------------------|
| S81 | 27563 | S79 SAME (membrane lens plate)   | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 16:50 |
| S80 | 36788 | S79 AND (membrane lens plate)  | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 16:34 |
| S79 | 61274 | mems SAME cover  | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 16:34 |
| S78 | 191   | lens ADJ cover AND piezo   | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 16:13 |
| S77 | 56    | MEMS ADJ cover   | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 15:57 |
| S76 | 32    | (inkjet printer) AND MEMS NEAR cover   | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 15:53 |
| S74 | 23    | ("20020073989"   "20020073990"   "20020077369"   "20020109084"   "4751529"   "4782350"   "4959674"   "5191354"   "5194880"   "5565113"   "5591490"   "5669971"   "5877495"   "6134291"   "6188065"   "6232114"   "6335525"   "6405934"   "6416164"   "6548308"   "6603118"   "6622720"   "6666541").PN. OR ("6827287").URPN. | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 15:45 |
| S73 | 56    | MEMS ADJ cover   | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 15:43 |
| S72 | 25    | (UV ultraviolet) SAME sterili\$ AND (inhaler atomi\$ nebuli\$) AND "128"/\$.CCLS.  | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 15:35 |
| S71 | 69    | (UV ultraviolet) AND (inhaler atomi\$ nebuli\$) AND "128"/\$.CCLS. AND sterili\$   | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 15:34 |
| S70 | 209   | (UV ultraviolet) AND (inhaler atomi\$ nebuli\$) AND "128"/\$.CCLS.   | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 15:32 |
| S69 | 62427 | (UV ultraviolet) AND (inhaler atomi\$ nebuli\$)  | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 15:31 |
| S68 | 47    | S67 AND "128"/\$.CCLS.   | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 15:16 |
| S67 | 4239  | multiplex\$ AND (inhaler nebuli\$ aerosol)   | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 15:16 |
| S66 | 2286  | multiplex AND (inhaler nebuli\$ aerosol)   | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 15:15 |
| S65 | 26    | "5231426"  | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 15:15 |
| S63 | 50    | ivri.IN.   | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 15:10 |
| S58 | 7     | S56 AND steril\$   | US-PGPUB; USPAT; USOOCR | OR | ON | 2009/03/12 15:06 |

|     |      |  |                                       |    |     |                     |
|-----|------|--|---------------------------------------|----|-----|---------------------|
| S56 | 33   | (US-20020077369-\$ or US-20020073990-\$ or US-20020015074-\$ or US-20020073989-\$).did. or (US-7121275-\$ or US-6740530-\$ or US-5339101-\$ or US-6622720-\$ or US-6328421-\$ or US-5485828-\$ or US-7178741-\$ or US-5996903-\$ or US-5297734-\$ or US-5912679-\$ or US-6200491-\$ or US-7229028-\$ or US-5028937-\$ or US-5231426-\$ or US-6136210-\$ or US-5685485-\$ or US-4976259-\$ or US-5429302-\$ or US-3561444-\$ or US-7129619-\$ or US-6827287-\$ or US-6601581-\$ or US-5823428-\$ or US-4641053-\$ or US-4338576-\$ or US-4319155-\$). did. or (US-5191354-\$ or US-4751529-\$ or US-5041849-\$). did. | US-PGPUB;<br>USPAT                    | OR | ON  | 2009/03/12<br>15:06 |
| S55 | 685  | (347/29).OCLS.   | USPAT; USOCR                          | OR | OFF | 2009/03/11<br>17:37 |
| S54 | 987  | (347/29).OCLS.   | US-PGPUB;<br>USPAT; USOCR             | OR | OFF | 2009/03/11<br>17:36 |
| S53 | 1778 | ((347/11) or (347/12) or (347/22)).CCLS.   | US-PGPUB;<br>USPAT; USOCR             | OR | OFF | 2009/03/11<br>17:18 |
| S52 | 660  | (239/338).OCLS.  | US-PGPUB;<br>USPAT; USOCR             | OR | OFF | 2009/03/11<br>16:51 |
| S51 | 232  | S50 AND capillary  | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/03/11<br>16:45 |
| S50 | 1599 | 128/200.14.ccls.   | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/03/11<br>16:44 |
| S49 | 39   | ("3904996"   "4447754"   "4598261"   "4719476"   "4719480"   "4748461"   "4751529"   "4751530"   "4751534"   "4782350"   "4797693"   "4801953"   "5041849").PN. OR ("5339101").URPN.   | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/03/11<br>16:30 |
| S48 | 62   | ("3958559"   "4184094"   "4308547"   "4321696"   "4384231"   "4580148").PN. OR ("4751529").URPN.   | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/03/11<br>16:26 |
| S47 | 4    | "US 6127082"   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | ON  | 2009/03/11<br>13:10 |

|     |     |   |                           |    |    |                     |
|-----|-----|---|---------------------------|----|----|---------------------|
| S46 | 136 | (("3275059"   "3392916"   "3561444"   "3860173"   "4052004"   "4085893"   "4153201"   "4251031"   "4271705"   "4294407"   "4301093"   "4301968"   "4309989"   "4319155"   "4334531"   "4352459"   "4428531"   "4466571"   "4530360"   "4541564"   "4582654"   "4619400"   "4642581"   "4655393"   "4659014"   "4679551"   "4726523"   "4726525"   "4733820"   "4756478"   "4783003"   "4790479"   "4793339"   "4850534"   "4877989"   "4905671"   "4930700"   "4941618"   "4961885"   "5002059"   "5040537"   "5063922"   "5076266"   "5104042"   "5115805"   "5134993"   "5163433"   "5172692"   "5186162"   "5197946"   "5211160"   "5231975"   "5269291"   "5315998"   "5316000"   "5318014"   "5323769"   "5324255"   "5345940"   "5347998"   "5362309"   "5374266"   "5380411"   "5393296"   "5437606"   "5515841"   "5515842"   "5516043"   "5520166"   "5520612"   "5527350"   "5529572"   "5545124"   "5551416"   "5554172"   "5556372"   "5573497"   "5616140"   "5626554"   "5643179"   "5656016"   "5658323"   "5699805"   "5707402"   "5707403"   "5730705"   "5735811"   "5743863"   "5752924"   "5762616"   "5785972"   "5835678"   "5843139"   "5879314"   "5879364"   "5882302"   "5894841"   "5947921"   "5960792"   "5989245"   "6001069"   "6014970"   "6024718"   "6026808"   "6027495"   "6041253"   "6061597"   "6076519"   "6083159"   "6095141"   "6098620"   "6102298"   "6104952"   "6106547"   "6113558"   "6113570"   "6176839"   "6186963" | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/11<br>13:08 |
|-----|-----|---|---------------------------|----|----|---------------------|

|     |        |   |                           |    |    |                     |
|-----|--------|---|---------------------------|----|----|---------------------|
|     |        | "6190315"   "6190336"  <br>"6206842"   "6206843"  <br>"6231528"   "6234990"  <br>"6251099").PN. OR<br>("6273864"   "6296630"  <br>"6321109"   "6322527"  <br>"6325769"   "RE36939").PN.<br>OR ("6601581").URPN.   |                           |    |    |                     |
| S45 | 23     | ("20020073989"  <br>"20020073990"  <br>"20020077369"  <br>"20020109084"   "4751529"  <br>"4782350"   "4959674"  <br>"5191354"   "5194880"  <br>"5565113"   "5591490"  <br>"5669971"   "5877495"  <br>"6134291"   "6188065"  <br>"6232114"   "6335525"  <br>"6405934"   "6416164"  <br>"6548308"   "6603118"  <br>"6622720"   "6666541").PN.<br>OR ("6827287").URPN. | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/11<br>11:57 |
| S44 | 13     | ("20030127535"   "3839651"  <br>"4318062"   "4319155"  <br>"4338576"   "4641053"  <br>"4703213"   "5136199"  <br>"5303585"   "5551416"  <br>"5563811"   "6357671"  <br>"6946117").PN. OR<br>("7129619").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/11<br>11:54 |
| S43 | 0      | (09/727933).APP.  | USPAT; USOCR              | OR | ON | 2009/03/11<br>11:51 |
| S42 | 94     | S40 AND(atomis\$ aerosol\$ nebuli\$)  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/11<br>11:49 |
| S41 | 151807 | S40 (atomis\$ aerosol\$ nebuli\$)   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/11<br>11:49 |
| S40 | 336    | capillary ADJ wave  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/11<br>11:49 |
| S39 | 81     | ("2267547"   "2863075"  <br>"3137836"   "3285242"  <br>"3360664").PN. OR<br>("3561444").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/11<br>10:35 |
| S38 | 17     | ("2691815"   "3561444"  <br>"4113809"   "4115789"  <br>"4646967"   "4976259"  <br>"5152456"   "5173274").PN.<br>OR ("5429302").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/11<br>10:30 |
| S37 | 76     | ("3433461"   "3774602"  <br>"3828773"   "3861386"  <br>"3866831"   "3989042"  <br>"4001650"   "4094317"  <br>"4109863"   "4113809"  <br>"4646967").PN. OR<br>("4976259").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/11<br>10:21 |

|     |      |  |                         |    |     |                  |
|-----|------|--|-------------------------|----|-----|------------------|
| S36 | 0    | boucher.IN. AND capillary ADJ waves  | US-PGPUB; USPAT; USOOCR | OR | ON  | 2009/03/10 19:03 |
| S35 | 0    | boucher.IN. AND capillary ADJ wave   | US-PGPUB; USPAT; USOOCR | OR | ON  | 2009/03/10 19:03 |
| S34 | 45   | boucher.IN. AND capillary  | US-PGPUB; USPAT; USOOCR | OR | ON  | 2009/03/10 19:02 |
| S33 | 1421 | boucher.IN.  | US-PGPUB; USPAT; USOOCR | OR | ON  | 2009/03/10 19:02 |
| S30 | 1    | ("6136210").PN.  | US-PGPUB; USPAT; USOOCR | OR | OFF | 2009/03/10 18:45 |
| S29 | 1    | ("5231426").PN.  | US-PGPUB; USPAT; USOOCR | OR | OFF | 2009/03/10 18:45 |
| S28 | 1    | ("5028937").PN.  | US-PGPUB; USPAT; USOOCR | OR | OFF | 2009/03/10 18:43 |
| S27 | 9    | ("3061204"   "4746067"   "4976259"   "5261601"   "5533501"   "5685485"   "6536682"   "6550691").PN.<br>OR ("7229028").URPN.  | US-PGPUB; USPAT; USOOCR | OR | ON  | 2009/03/10 18:36 |
| S26 | 238  | (128/200.16).OCLS.   | US-PGPUB; USPAT; USOOCR | OR | OFF | 2009/03/10 18:32 |
| S25 | 16   | US-3387607-\$..DID. OR US-3433461-\$..DID. OR US-4044273-\$..DID. OR US-4424465-\$..DID. OR US-4976259-\$..DID. OR US-5485928-\$..DID. OR US-5497763-\$..DID. OR US-5565113-\$..DID. OR US-5803099-\$..DID. OR US-5855203-\$..DID. OR US-6014970-\$..DID. OR US-6120449-\$..DID. OR US-6182655-\$..DID. OR US-6200491-\$..DID. | US-PGPUB; USPAT; USOOCR | OR | ON  | 2009/03/10 18:15 |
| S24 | 2    | ((("6861034") or ("5415161")) .PN.   | US-PGPUB; USPAT; USOOCR | OR | OFF | 2009/03/10 18:12 |
| S23 | 1    | ("5485828").PN.  | US-PGPUB; USPAT; USOOCR | OR | OFF | 2009/03/10 18:11 |
| S22 | 16   | US-3387607-\$..DID. OR US-3433461-\$..DID. OR US-4044273-\$..DID. OR US-4424465-\$..DID. OR US-4976259-\$..DID. OR US-5485928-\$..DID. OR US-5497763-\$..DID. OR US-5565113-\$..DID. OR US-5803099-\$..DID. OR US-5855203-\$..DID. OR US-6014970-\$..DID. OR US-6120449-\$..DID. OR US-6182655-\$..DID. OR US-6200491-\$..DID. | US-PGPUB; USPAT; USOOCR | OR | ON  | 2009/03/10 18:09 |

|     |    |  |                           |    |    |                     |
|-----|----|--|---------------------------|----|----|---------------------|
| S21 | 62 | ("2739623"   "3558052"   "4659014"   "4753579").PN.<br>OR ("5297734").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/10<br>17:48 |
| S20 | 62 | ("2739623"   "3558052"   "4659014"   "4753579").PN.<br>OR ("5297734").URPN.  | US-PGPUB;<br>USPAT; USOOR | OR | ON | 2009/03/10<br>17:48 |
| S19 | 9  | ("5297734"   "5299739"   "5657926").PN. OR<br>("5996903").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/10<br>17:47 |
| S18 | 7  | ("20030062038"   "4294407"   "4479609"   "5297734"   "5485828"   "5657926"   "5996903").PN. OR<br>("7178741").URPN.  | US-PGPUB;<br>USPAT; USOOR | OR | ON | 2009/03/10<br>17:47 |
| S17 | 34 | ("3321189"   "3387607"   "3433461"   "3561444"   "3828773"   "4094317"   "4300546"   "4976259"   "5152457").PN. OR<br>("5485828").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/10<br>17:46 |
| S16 | 29 | ("3211088"   "3946398"   "4380018"   "4734706"   "5194880"   "5216451"   "5277754"   "5305016"   "5406318"   "5415679"   "5495270"   "5591490"   "5821958").PN. OR<br>("6328421").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/10<br>17:45 |
| S15 | 39 | ("3904996"   "4447754"   "4598261"   "4719476"   "4719480"   "4748461"   "4751529"   "4751530"   "4751534"   "4782350"   "4797693"   "4801953"   "5041849").PN. OR<br>("5339101").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/10<br>17:45 |
| S14 | 46 | ("20010017938"   "20020076092"   "20020081013"   "20020115101"   "20030012892"   "20030040107"   "20030048341"   "20030104465"   "4518973"   "4633274"   "5201026"   "5250962"   "5338688"   "5465629"   "5475279"   "5614929"   "5643379"   "5658802"   "5715327"   "5796417"   "5798779"   "5812692"   "5877580"   "5933170"   "5943075"   "5953028"   "5958342"   "6001309"   "6110426"   "6122396"   "6242266"   "6290340"   "6351573" | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2009/03/10<br>17:45 |

|     |       |  |                           |     |    |                     |
|-----|-------|--|---------------------------|-----|----|---------------------|
|     |       | "6362004"   "6365378"  <br>"6381353"   "6384210"  <br>"6407437"   "6418236"  <br>"6453060"   "6465190"  <br>"6466690"   "6599479").PN.<br>OR ("6740530").URPN.   |                           |     |    |                     |
| S13 | 26    | ("3387607"   "3433461"  <br>"4044273"   "4424465"  <br>"4976259"   "5028937"  <br>"5231426"   "5415161"  <br>"5485828"   "5497763"  <br>"5565113"   "5803099"  <br>"5855203"   "5894841"  <br>"5912679"   "6014970"  <br>"6120449"   "6136210"  <br>"6182655"   "6200491"  <br>"6205999"   "6328421"  <br>"6622720"   "6861034").PN.<br>OR ("7121275").URPN. | US-PGPUB;<br>USPAT; USOOR | OR  | ON | 2009/03/10<br>17:45 |
| S12 | 18    | ("3387607"   "3433461"  <br>"4044273"   "4424465"  <br>"4976259"   "5485828"  <br>"5803099"   "5855203"  <br>"6014970"   "6120449"  <br>"6182655"   "6328421").PN.<br>OR ("6622720").URPN.   | US-PGPUB;<br>USPAT; USOOR | OR  | ON | 2009/03/10<br>17:38 |
| S10 | 7     | sprague-robert.IN.   | US-PGPUB;<br>USPAT; USOOR | AND | ON | 2009/03/10<br>17:37 |
| S9  | 1829  | sprague.IN.  | US-PGPUB;<br>USPAT; USOOR | AND | ON | 2009/03/10<br>17:36 |
| S8  | 8     | S7 capillary ADJ wave  | US-PGPUB;<br>USPAT; USOOR | AND | ON | 2009/03/10<br>17:27 |
| S7  | 57    | hadimioglu.IN.   | US-PGPUB;<br>USPAT; USOOR | OR  | ON | 2009/03/10<br>17:20 |
| S5  | 1     | (09/739989).APP.   | USPAT; USOOR              | OR  | ON | 2009/03/10<br>16:15 |
| S4  | 19    | S3 S2  | US-PGPUB;<br>USPAT; USOOR | AND | ON | 2009/03/10<br>16:14 |
| S3  | 72    | noolandi.IN.   | US-PGPUB;<br>USPAT; USOOR | OR  | ON | 2009/03/10<br>16:14 |
| S2  | 13155 | fresnel ADJ lens   | US-PGPUB;<br>USPAT; USOOR | OR  | ON | 2009/03/10<br>16:13 |

**EAST Search History (Interference)**

&lt;This search history is empty&gt;

4/15/2010 3:27:46 PM

C:\Documents and Settings\cblizzard\My Documents\EAST\Workspaces\09740209 inhaler that uses focused acoustic waves.wsp